(c) whether Government have also chosen other companies to be entrusted with the responsibility in the field of atomic energy; and

(d) if so, the names of such companies and the criteria fixed for selection?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) No, Sir.

(b) Not applicable.

(c) and (b) The Nuclear Power Corporation of India Limited (NPCIL) and Bharatiya Nabhikiya Vidyut Nigam Ltd. (BHAVINI) are the two public sector companies under the Administrative control of the Department of Atomic Energy which are engaged in the setting up, operation and maintenance of Nuclear Power Plants in the country.

Share of nuclear energy

3129. SHRI AVIJAYARAGHAVAN: Will the PRIME MINISTER be pleased to state:

(a) whether there is any proposal to open civilian nuclear energy facilities to international inspections and safeguards;

(b) if so, the details thereof;

(c) if so, whether nuclear power field will be open to foreign suppliers of nuclear fuel to reactors and foreign investors;

(d) if so, the details thereof;

(e) if so, whether the domestic private sector participation in the nuclear energy program will be allowed;

(f) if so, the details thereof; and

(g) the present share of nuclear energy in overall energy mix and the cost of production of nuclear energy, thermal energy and hydro power, State-wise till date?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI PRITHVIRAJ CHAVAN): (a) and (b) In the Joint Statement by India and the US issued on the occasion of visit of Prime Minister to USA, the United States appreciated India's strong commitment to nuclear

non-proliferation and stated that India as a responsible state with advanced nuclear technology, should acquire the same benefits and advantages as other such states and that the President of United States would seek agreement of Congress to adjust US laws and policies and the US will work with its friends and allies to adjust international regimes to enable full civil nuclear energy cooperation and trade with India, including but not limited to expeditious consideration of fuel supplies for safeguarded nuclear reactors at Tarapur. In the meantime, the United States will encourage its partners to also consider this request expeditiously. India has expresed its interest in International Thermonuclear Experimental Reactor (ITER) and a willingness to contribute. The United States will consult with its partners considering India's participation. The United States will consult with the other participants in the Generation IV International Forum with a view toward India's inclusion. The Prime Minister conveyed that India would reciprocally agree that it would be ready to assume the responsibilities and practices and acquire the same benefits and advantages as other leading countries with advanced nuclear technology such as the United States. These responsibilities and practices consist of identifying and separating civilian and military nuclear facilities and programmes in a phased manner and filling a declaration regarding its civilians facilities with the International Atomic Energy Agency (IAEA); taking a decision to place voluntarily its civilian nuclear facilities under IAEA safeguards; signing and adhering to an Additional Protocol with respect to civilian nuclear facilities.

(c)Yes, Sir, if full civil nuclear energy cooperation and trade with India opens up.

(d)There is no firm proposal so far.

(e)As of now, there is no firm proposal for domestic private sector participation in the nuclear energy programme.

(f) Does not arise.

(g)All India share of nuclear energy in the overall energy mix for the year 2004-2005 is 2.9% and the capacity at the end of March, 2005 is 2.3%. The information regarding present share of nuclear energy in the overall energy mix and cost of production of nuclear energy Statewise is given in the Statement I and Statement II.

Statement I

Present Share of nuclear energy in the overall energy-wise

State	Capacity MWe	Year of commence-ment of operation	%Share of generation in 2004-05	Average cost of production in 2004-2005 paise/kWh
Rajasthan	740	100MWe-1973 200MWe-1981 440MWe-2000	18	137
Karnataka	440	440MWe-2000	12	155
Gujarat	440	200MWe-1993 200MWe-1995	5	162
Uttar Pradesh	440	200MWe-1991 200MWe-1992	4	113
Maharashtra	320	320MWe-1969	4	58
Tamil Nadu	390	200MWe-1986 170MWe-1994	3	117

Statement II

State-wise/Utility-wise (including IPPs) Average cost of power generation for the year 2003-04 in respect of Thermal and Hydro Power stations is given below

(in Paise/Kwh)

SI. No.	Name of the SEB/Utilities/Projects/IPPs	Thermal	Hydro
1	2	3	4
1.	Andhra Pradesh Power Generation Crop. Ltd.	152.85	35.24
2.	Andhra Pradesh Gas Power Corp. Ltd. Assam	151.00	
3.	State Electricity Board	106.00	

1	2	3	4
4.	Chhattishgarh State Electricity Board	96.14$	
5.	MP Power Generating Co.	160.98	59.13
6.	Gujarat Urja Vikas Nigam Ltd.	199.02	88.74
7.	Haryana Power Generation Corp. Ltd.	224.60	85.13
8.	Himachal Pradesh State Electricity Board		131.48$
9.	Inderaprastha Power Generating Co.	233.74	
10.	Pragati Power Corp. Ltd.	173.08	
11.	Jammu Kashmir State Power Dev. Corp.		127.5
12.	Karnataka Power Corp. Ltd.	174.64	54.31
13.	Kerala State Electricity Board	564.56	63.49
14.	Union Territory of Lakshadweep;	886$*	
15.	Meghalaya State Electricity Board		97.55
16.	Orissa Power Generation Corp. Ltd.	92.02	
17.	Orissa Hydro Power Corp. Ltd.		38.61
18.	Punjab	200.04	101.22
19.	Rajasthan Rajya Vidhut Utpadan Nigam	206.93	120.69
20.	Tamil Nadu Electricity Board	202.03	130.19
21.	Uttaranchal Jai Vidyut Nigam Ltd.		39.00
22.	West Bengal State Electricity Board		503.85
23.	West Bengal Power Development Corp. Ltd.	184.00	
24.	NTPC	146.60#	
25.	Pondicherry Power Corp. Ltd.	155.00	
26.	National Hydro Electric Power Corp.-Ltd.		103.00
27.	Satluj Jal Vidyut Nigam Limited		321.25
28.	Bhakra Beas Management Board		13.42
29.	Neyveli Lignite Corporation Ltd.	150.16	
30.	Damodar Valley Corp.	188.12	79.13

1	2	3	4
31.	Durgapur projects Ltd.	196.00	
32.	Ahmedabad Electricity Co. Ltd.	285.95$	
33.	BSES Ltd. (Dahanu Thermal Power Station)	171.88$	
34.	Bhoruka Power Corp. Ltd. (Mini Hydel Scheme)	282.62$	
35.	CESC Ltd.	203.94$	
36.	Dishergarh Power Supply Co. Ltd.	243.02	
37.	Essar Power Ltd. (Hazira)	197.00	
38.	GMR Power Corp. Pvt. Ltd.	404.43$	
39.	GVK Industries Ltd. (Jerusupadu Power Plant)	168.69$	
40.	Gujarat Industries Power Co. Ltd.	190.31	
41.	Gujarat Paguthan Energy Corporation Pvt. Ltd.	267.00	
42.	Jindal Thermal Power Co. Ltd.	246.25$	
43,	Kasargod Power Corp. Ltd.	513.00	
44.	Matana Power Company Ltd.		168.96$
45.	Madurai Power Corporation Pvt. Ltd.	507.74	
46.	Samalpatti Power Company Pvt. Ltd.	522.95	
47.	The Tata Power Company Ltd.	352.00	150.00
48.	PPN Power Geneating company Pvt. Ltd.	461.00	
49.	Reliance Energy Ltd. (Smalkot Power Station)	154.00	
50.	Carborundum Universal Ltd. (Maniyachi Hydro Elect)		140.00

$ For the year 2002-2003

#Rate of Sale of Power

*For Diesel Station